

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 17 returned.**☐ 1. Document ID: NN960875

L2: Entry 1 of 17

File: TDBD

Aug 1, 1996

TDB-ACC-NO: NN960875

DISCLOSURE TITLE: Full Color Active Matrix Display Based on GaN Lateral Light Emitting Diode Structures

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc									

[KVMC](#)☐ 2. Document ID: NN9407163

L2: Entry 2 of 17

File: TDBD

Jul 1, 1994

TDB-ACC-NO: NN9407163

DISCLOSURE TITLE: Method and Apparatus for Testing Time Delay Integration-Charge Coupled Device Imaging Devices

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc									

[KVMC](#)☐ 3. Document ID: NA9306517

L2: Entry 3 of 17

File: TDBD

Jun 1, 1993

TDB-ACC-NO: NA9306517

DISCLOSURE TITLE: Touch Control Digital Monitor

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Clip Img									

☐ 4. Document ID: NN930571

L2: Entry 4 of 17

File: TDBD

May 1, 1993

TDB-ACC-NO: NN930571

DISCLOSURE TITLE: Dust Alarm Circuit for Mouse

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Clip Img									

☐ 5. Document ID: NN9304283

L2: Entry 5 of 17

File: TDBD

Apr 1, 1993

TDB-ACC-NO: NN9304283

DISCLOSURE TITLE: Servo Control of Analog Power Supplies via a General Purpose Interface Card

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Draw Desc	Clip Img									

☐ 6. Document ID: NA9112339

L2: Entry 6 of 17

File: TDBD

Dec 1, 1991

TDB-ACC-NO: NA9112339

DISCLOSURE TITLE: Linescan Detector Interface.

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Draw Desc										

☐ 7. Document ID: NA9112304

L2: Entry 7 of 17

File: TDBD

Dec 1, 1991

TDB-ACC-NO: NA9112304

DISCLOSURE TITLE: Monitor Warm Up Timer, Degauss Tester and Time Of Failure Recorder.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Clip Img									

☐ 8. Document ID: NN9102134

L2: Entry 8 of 17

File: TDBD

Feb 1, 1991

TDB-ACC-NO: NN9102134

DISCLOSURE TITLE: Development And Background Control for Single- And Multi-Color EP Printer.

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Draw Desc	Clip Img									

☐ 9. Document ID: NA900864

L2: Entry 9 of 17

File: TDBD

Aug 1, 1990

TDB-ACC-NO: NA900864

DISCLOSURE TITLE: Non-Interfering RF Level Monitor/Indicator.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC

☐ 10. Document ID: NN8606320

L2: Entry 10 of 17

File: TDBD

Jun 1, 1986

TDB-ACC-NO: NN8606320

DISCLOSURE TITLE: Tri-Color LED Drive System

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC

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led and (color\$ or colour\$) and volt\$	17

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 17 of 17 returned.**☐ 11. Document ID: NB84124416

L2: Entry 11 of 17

File: TDBD

Dec 1, 1984

TDB-ACC-NO: NB84124416

DISCLOSURE TITLE: Twin-Axial Cable Analyzer

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 12. Document ID: NN830655

L2: Entry 12 of 17

File: TDBD

Jun 1, 1983

TDB-ACC-NO: NN830655

DISCLOSURE TITLE: Laser Marking Using Latching AMPLIFIER PELS Which Are Light-Activated Silicon-Controlled Rectifiers Made of Amorphous Silicon

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc										

☐ 13. Document ID: NA8106322

L2: Entry 13 of 17

File: TDBD

Jun 1, 1981

TDB-ACC-NO: NA8106322

DISCLOSURE TITLE: Field Effect Integrated Injection LED Visible or IR Source. June 1981.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
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☐ 14. Document ID: NB80123147

L2: Entry 14 of 17

File: TDBD

Dec 1, 1980

TDB-ACC-NO: NB80123147

DISCLOSURE TITLE: Dynamic Voltage Change Sensing Circuit Useful for Paper on Drum Detection. December 1980.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
Drawn Desc	Clip Img									

☐ 15. Document ID: NN78112562

L2: Entry 15 of 17

File: TDBD

Nov 1, 1978

TDB-ACC-NO: NN78112562

DISCLOSURE TITLE: Solid State Multiple Electron Gun for Improved Display Cathode Ray Tube. November 1978.

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Drawn Desc										

☐ 16. Document ID: NN7706405

L2: Entry 16 of 17

File: TDBD

Jun 1, 1977

TDB-ACC-NO: NN7706405

DISCLOSURE TITLE: Scrolling of Rotating Scanner LED ROLED Displays. June 1977.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
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☐ 17. Document ID: NN76101898

L2: Entry 17 of 17

File: TDBD

Oct 1, 1976

TDB-ACC-NO: NN76101898

DISCLOSURE TITLE: Three State Indicating Circuit. October 1976.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
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led and (color\$ or colour\$) and volt\$	17

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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HENKU TRAN Examiner #: 74924 Date: 7/22/02
 Art Unit: 2674 Phone Number 303-8416 Serial Number: 19437,336
 Mail Box and Bldg/Room Location: PK2-CA35 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Display Device, Portable Electronic Device & Method
 Inventors (please provide full names): NAYAMURA, TAIJIKE

Earliest Priority Filing Date: 01/20/1999

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Current flowing through a plurality of light emitting diodes (LEDs): The brightness of the images are (Intensity)

maintained at a predetermined value by controlling the individual current flowing through each LED.

KEYWORDS:

CURRENT/VOLTAGE CONTROL

BACKLIGHT/BACK-LIGHT/BACK LIGHT

COLOR/COLOUR LEDs

BRIGHTNESS/INTENSITY CONTROL

PULSE WIDTH MODULATION (PWM)

DUTY CYCLE

07-22-02 A11:24 OUT

STAFF USE ONLY

Searcher: Patricia Reynolds
 Searcher Phone #: 306-0255
 Searcher Location: 303
 Date Searcher Picked Up: 7-25-02
 Date Completed: 7-24
 Searcher Prep & Review Time: 90
 Clerical Prep Time: 150
 Online Time: 150

Type of Search

NA Sequence (#) _____
 AA Sequence (#) _____
 Structure (#) _____
 Bibliographic ☒
 Litigation ☐
 Fulltext ☒
 Patent Family ☐
 Other ☐

Vendors and cost where applicable

STN _____
 Dialog ☒
 Questel/Orbit _____
 Dr.Link _____
 Lexis/Nexis _____
 Sequence Systems _____
 WWW/Internet ☒
 Other (specify) IBM TUBS

09/487,330

EIC 2600
Searched

TO: Henry Tran
FROM: Pamela Reynolds
SUBJECT : Prior art online search
DATE: July 26, 2002

Dear Henry Tran

Please find attached the search results for 09,487,330. I used the search strategy I emailed you to edit. Not hearing from you I proceeded. I searched the standard Dialog files, IBM TDBs and the internet .

If you would like a re-focus please let me know.

Thank you.

Pamela Reynolds
EIC 2600 Team Leader
306-0255
3C03

File 344:CHINESE PATENTS BS MAY 1985-2002/MAY
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 File 347:JAPIO Oct 1976-2002/Mar(Updated 020702)
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 File 350:Derwent WPIX 1963-2002/UD,UM &UP=200247
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EIC 2600
SEARCHED

Set	Items	Description
S1	167334	LEDS OR LIGHT() (EMIT? OR EMISSION) () DIODE?
S2	24469	S1 AND (PLURAL? OR MANY OR SEVERAL OR NUMEROUS OR MULTI OR MULTIPLE)
S3	13923	BACKLIGHT? OR BACK() LIGHT?
S4	873875	DISPLAY?
S5	595350	RGB OR RED() GREEN() BLUE OR COLOUR? OR COLOR?
S6	68924	(RESISTANCE? (3N) VALUE? OR BRIGHTNESS OR INTENSIT?) AND (PREDETERMIN? OR SPECIFIC OR SPECIFIED OR SET OR PRESELECT? OR PRESET OR PRE() (SELECT? OR SET OR DETERMIN? OR SELECT? OR SPECIFIED))
S7	1593562	CURRENT? OR ELECTRICITY? OR VOLT? OR POWER() SOURCE?
S8	25090	PWM OR PULSE() WIDTH() MODULAT?
S9	6440	DUTY(3N) (CYCLE? OR VALUE?)
S10	831815	S7 AND (CONTROL? OR MANAG? OR ADJUST? OR MODIF? OR ALTER? - OR INCREASE? OR DECREAS?)
S11	14474	(WIRELESS OR WIRE() LESS OR IR OR INFRARED) (3N) (DEVICE? OR - UNIT??)
S12	173045	(MOBILE OR RADIO OR PORTABLE OR CELLULAR OR REMOTE OR WIRE-() LESS) (3N) (UNIT? OR DEVICE? ? OR APPARATUS OR TELEPHONE? ? OR TERMINAL?)
S13	10517	(WIRELESS OR CELL? OR MOBILE) () PHONE? OR CELLPHONE?
S14	24290	PDA OR PERSONAL() DIGITAL() ASSISTANT? OR (POCKET OR PORTABLE OR PALM() TOP OR PALMTOP OR HAND() HELD OR HANDHELD) () (COMPUTER? OR DEVICE?) OR PALM OR NEWTON
S15	1046	IC=G09G-003/34
S16	206592	S11:S14
S17	3105	S1 AND S16
S18	23	S17 AND S3 AND S5
S19	2	S18 AND S6
S20	0	S17 AND S7 AND S8 AND S9
S21	0	S17 AND S8 AND S9
S22	619	S17 AND (S7 OR S8 OR S9)
S23	33	S22 AND S3
S24	32	S23 NOT S19
S25	12	S24 NOT PY=19990120:20020725
S26	20	S17 AND (S15 OR IC=G09G-003/32)
S27	16	S26 NOT (S18 OR S23)
S28	7	S27 NOT PY=19990120:20020725
S29	62	S2 AND S5 AND S6
S30	4	S29 AND S3
S31	4	S30 NOT (S18 OR S23 OR S27)
S32	3	S31 NOT PY=19990120:20020725

File 344:CHINESE PATENT ABS MAY 1985-2002/MAY
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 File 347:JAPIO Oct 1976-2002/Mar(Updated 020702)
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Set	Items	Description
S1	27763	AU=(NAKAMURA T? OR NAKAMURA, T?)
S2	3	S1 AND (LIGHT()EMIT?()DIODE? OR LED) AND (BACKLIGHT? OR BA-CK()LIGHT?)
S3	3	S1 AND PORTABLE()ELECTRONIC()DEVICE?
S4	3	S3 NOT S2

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Set	Items	Description
S1	52520	LEDS OR LIGHT() (EMIT? OR EMISSION) () DIODE?
S2	6284	S1 AND (PLURAL? OR MANY OR SEVERAL OR NUMEROUS OR MULTI OR MULTIPLE)
S3	3920	BACKLIGHT? OR BACK() LIGHT?
S4	747796	DISPLAY?
S5	1111720	RGB OR RED() GREEN() BLUE OR COLOUR? OR COLOR?
S6	76117	(RESISTANCE?(3N) VALUE? OR BRIGHTNESS OR INTENSIT?) AND (PRE-DETERMIN? OR SPECIFIC OR SPECIFIED OR SET OR PRESELECT? OR PRESET OR PRE() (SELECT? OR SET OR DETERMIN? OR SELECT? OR SPECIFIED))
S7	3660404	CURRENT? OR ELECTRICITY? OR VOLT? OR POWER() SOURCE?
S8	37897	PWM OR PULSE() WIDTH() MODULAT?
S9	13510	DUTY(3N) (CYCLE? OR VALUE?)
S10	1333200	S7 AND (CONTROL? OR MANAG? OR ADJUST? OR MODIF? OR ALTER? - OR INCREASE? OR DECREAS?)
S11	16328	(WIRELESS OR WIRE() LESS OR IR OR INFRARED) (3N) (DEVICE? OR - UNIT??)
S12	86490	(MOBILE OR RADIO OR PORTABLE OR CELLULAR OR REMOTE OR WIRE-() LESS) (3N) (UNIT? OR DEVICE? ? OR APPARATUS OR TELEPHONE? ? OR TERMINAL?)
S13	57491	(WIRELESS OR CELL? OR MOBILE) () PHONE? OR CELLPHONE?
S14	137254	PDA OR PERSONAL() DIGITAL() ASSISTANT? OR (POCKET OR PORTABLE OR PALM() TOP OR PALMTOP OR HAND() HELD OR HANDHELD) () (COMPUTER? OR DEVICE?) OR PALM OR NEWTON
S15	44648	AU=(NAKAMURA T? OR NAKAMURA, T?)
S16	8	S15 AND S1 AND S5
S17	4	S16 NOT PY=>2000
S18	4	RD S17 (unique items)
S19	1	S2 AND S3 AND S5 AND S10
S20	1	S19 NOT S16
S21	66	S2 AND (S11 OR S12 AND S13 OR S14)
S22	0	S21 AND S8 AND S9

S23	3	S21 AND S8 OR S9)
S24	3	S23 NOT (S19 OR S16)
S25	3	RD S24 (unique items)
S26	36	S2 AND S6
S27	0	S26 AND S7 AND S8
S28	11	S26 AND (S7 OR S8)
S29	11	S28 NOT (S16 OR S19 OR S23)
S30	9	S29 NOT PY=>1999
S31	9	RD S30 (unique items)